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0	an	A	5,129,605	07/14/92	Burns, et al.		<u> </u>	/	
	<u> </u>	В	6,459,965	10/01/02	Polivka, et al.				
		С	6,081,769	06/27/00	Curtis				
		D	6,218,961	04/17/01	Gross, et al.				
		E	5,751,569	05/12/98	Metel, et al.				
		F	6,135,396	10/24/00	Whitfield, et al.				
		G	6,397,147	05/28/02	Whithead	\			
-		н	6,374,184	04/16/02	Zahm, et al.		\		
		I	6,421,587	07/16/02	Diana, et al.				
		J	6,135,396	10/24/00	Whitfield, et al.				
		K	6,459,964	10/01/02	Vu, et al.			/	
		L	6,377,877	04/23/02	Doner				
		М	6,322,025	11/27/01	Colbert, et al.		X		
		N	6,311,109	10/30/01	Hawthorne, et al.				
		0	5,828,979	10/27/98	Polivka, et al.				
		P	4,711,418	12/08/87	Aver, Jr., et al.				
		Q	5,867,122	02/02/99	Zahm, et al.				
		R	4,459,668	07/10/84	Inoue, et al.		,		
		S	6,102,340	08/15/00	Peek, et al.				
-		Т.	5,533,695	07/09/96	Heggestad, et al.				
		Ü	5,452,870	09/26/95	Heggestad			1.	
		V	5,340,062	08/23/94	Heggestad				
		w	5,950,966	09/14/99	Hungate, et al.	7			
0	4N	Х	5,398,894 CUONG N	03/21/95	Pascoé	1			
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^{*}EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
Clan	Y	6,049,745	04/11/00	Douglas et al.	1		/
1	z	4,181,943	01/01/80	Mercer, Sr. et al.			
	AA	4,561,057	12/24/85	Haley, Jr. et al.			
	AB	5,072,900	12/17/91	Malon			
	AC	5,177,685	01/05/93	Davis et al.			
	AD	5,332,180	07/26/94	Peterson et al.			
	AE	5,364,047	11/15/94	Petit et al.			/
	AF	5,394,333	02/28/95	Kao			
	AG	5,620,155	04/15/97	Michalek			/
	AH	5,699,986	12/23/97	Welk			/
	AI	5,740,547	04/14/98	Kull et al.			/
	AJ	5,978,718	11/02/99	Kull		Χ	
	AK	5,995,881	11/30/99	Kull ,			
	AL	5,803,411	09/08/98	Ackerman et al.			
-	AM	5,944,768	08/31/99	Ito et al.			
	AN	6,179,252 B1	01/30/01	Roop et al.			
	AO	6,345,233 B1	02/05/02	Erick			
	AP	6,371,416 B1	04/16/02	Hawthorne			
	AQ	6,373,403 B1	04/16/02	Korver et al.			
	AR	6,456,937 B1	09/24/02	Doner et al.			
	AS	6,487,478 B1	11/26/02	Azzaro et al.			
	AT	6,112,142	08/29/00	Shockley, et al.			
CAN	AU	6,609,049	08/19/03	Kane, et al.			
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- -			OTHER REFERENCES	(Including Author, Title, Date, Per	tinent Pages, E	tc.)	
O.F	M	AV	the House Committee on Tran	itoris, Federal Railroad Administra sportation and Infrastructure Subc Department of Transportation, Ap	ommittee on Ra		
		AW	"System Architecture, ATCS	Specification 100", May 1995.			
		BA	"A New World for Communic	ations & Signaling", Progressive I	Railroading, Ma	ıy 1986.	
	-	ВВ	"Advanced Train Control Gain	Momentum", Progressive Railro	ading, March 19	986.	
	y	ВС	"Railroads Take High Tech in	Stride", Progressive Railroading,	May 1985.		
		BD	Lyle, Denise, "Positive Train (Proceedings, 2000.	Control on CSXT", Railway Fuel a	and Operating C	Officers Association, Annual	
		BE	Lindsey, Ron A., "CBTM, Communications Based Train Management", Railway Fuel and Operating Officers Association, Annual Proceedings, 1999.				
-	. .	BF	Moody, Howard G, "Advanced Train Control Systems A System to Manage Railroad Operations", Railway Fuel and Operating Officers Association, Annual Proceedings, 1993.				
	•	BG	Ruegg, G.A., "Advanced Train Control Systems ATCS", Railway Fuel and Operating Officers Association, Annual Proceedings, 1986.				
	•	вн	Malone, Frank, "The Gaps Start to Close" Progressive Railroading, May 1987.				
	``	BI	"On the Threshold of ATCS", Progressive Railroading, December 1987.				
	•.	ВЈ	"CP Advances in Train Control", Progressive Railroading, September 1987.				
	٠,	вк	"Communications/Signaling: Vital for dramatic railroad advances", Progressive Railroading, May 1988.				
	`	BL	"ATCS's System Engineer", Progressive Railroading, July 1988.				
	÷	BN	"The Electronic Railroad Emerges", Progressive Railroading, May 1989.				
	•-	ВМ	"C³ Comes to the Railroads", Progressive Railroading, September 1989.				
-	-	во	"ATCS on Verge of Implementation", Progressive Railroading, December 1989.				
	٠.	ВР	"ATCS Evolving on Railroads", Progressive Railroading, December 1992.				
	•	BQ	"High Tech Advances Keep Railroads Rolling", Progressive Railroading, May 1994.				
	•	BR	"FRA Promotes Technology to Avoid Train-To-Train Collisions", Progressive Railroading, August 1994.				
		BS	"ATCS Moving slowly but Steadily from Lab for Field", Progressive Railroading, December 1994.				
	•	ВТ	Judge, T., "Electronic Advance	es Keeping Railroads Rolling", Progressive Railroading, June 1995.			
ÜÀ	M	BU		How Railroads Manage", Progres	sive Railroadin	g, December 1995.	
ЕХΑΜΠ	NER		PRIMARY EXAMINE		DATE CONS	SIDERED 2/5/05	
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-			U	.S. PATENT DOCUMENTS				
	-		OTHER REFERENCES	(Including Author, Title, Date, Pert	inent Pages, E	itc.)		
9	ian	BV	Judge, T., "BNSF/UP PTS Pil	lot Advances in Northwest", Progre	ssive Railroad	ling, May 1996.		
		BW	Foran, P., "Train Control Qua Clues", Progressive Railroadii	ndary, Is CBTC viable? Railroads, ng, June 1997.	Suppliers Ho	pe Pilot Projects Provide		
		BX	"PTS Would've Prevented Sil	ver Spring Crash: NTSB", Progres	sive Railroadi	ing, July 1997.		
:	3	BY	Foran, P., "A 'Positive' Answ	er to the Interoperability Call", Pro	gressive Railr	oading, September 1997.		
	4	BZ	Foran, P., "How Safe is Safe I	Enough?", Progressive Railroading,	October 1997	7.		
		CA	Foran, P., "A Controlling Inte	rest In Interoperability", Progressiv	e Railroading,	April 1998.		
	,	СВ	Derocher, Robert J., "Transit	Projects Setting Pace for Train Con	trol", Progress	sive Railroading, June 1998.		
		СС	Kube, K., "Variations on a Th	Kube, K., "Variations on a Theme", Progressive Railroading, December 2001.				
		CD	Kube, K., "Innovation in Inches", Progressive Railroading, February 2002.					
		CE	Vantuono, W., "New York Leads a Revolution", Railway Age, September 1996.					
	•	CF	Vantuono, W., "Do you know where your train is?", Railway Age, February 1996.					
	,	CG	Gallamore, R., "The Curtain Rises on the Next Generation", Railway Age, July 1998.					
		СН	Burke, J., "How R&D is Shap	ing the 21st Century Railroad", Rai	lway Age, Au	gust 1998.		
- .		CI	Vantuono, W., "CBTC: A Maturing Technology", Third International Conference On Communications Based Train Control, Railway Age, June 1999.					
		CJ	Sullivan, T., "PTC - Is FRA Pushing Too Hard?", Railway Age, August 1999.					
	•	СК	Sullivan, T., "PTC: A Maturing Technology", Railway Age, April 2000.					
	•	CL	Moore, W., "How CBTC Can Increase Capacity", Railway Age, April, 2001.					
•	•	СМ	Vantuono, W., "CBTC: The Jury is Still Out", Railway Age, June 2001.					
	ı	CN	Vantuono, W., "New-tech Train Control Takes Off", Railway Age, May 2002.					
	•	со	Union Switch & Signal Intermittent Cab Signal, Bulletin 53, 1998.					
		СР	GE Harris Product Sheet: "Advanced Systems for Optimizing Rail Performance" and "Advanced Products for Optimizing train Performance", undated.					
		CQ	GE Harris Product Sheet: "Ac	Ivanced, Satellite-Based Warning S	ystem Enhanc	es Operating Safety", undated		
		CR	Furman, E., et al., "Keeping Ti	rack of RF", GPS World, February	2001.			
	` `	CS	Walker, Publication No. US 20	001/0056544 A1, December 27, 20	01.			
CU	AN'	СТ		S 2002/0070879 A1, June 13, 2002				
EXAM	IINER		CUONG NGUYEN PRIMARY EXAMINE	D	DATE CON	SIDERED 2/5/05		

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			FILING DATE		GROUP ART UNIT
			July 1, 2003		3661
:		OTHER REFERENCES	(Including Author, Title, Date, Per	tinent Pages, E	itc.)
Ceril CI	U	Kane, et al., Publication No.	US2003/0225490 A1, December 4	, 2003.	
			Federal Railroad Administration,	Federal Registe	er, Vol. 66, No. 155, pp. 42352-
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